Bangalore.* Newzen Consultants

NC/QC/YD/W1/NG-03/2017-18/G1

Date: 12-03-2018

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix
{Project*: Development and Improvements of roads and drains in Ward no-01 of Yelahanka Sub Division.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Lokesh. R.

TEST RESULTS

1. **Gradation Test:**
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
26.50	96.10	70-100
9.50	64.95	50-80
4.75	44.20	40-65
2.36	38.15	30-50
0.425	14.70	10-15
0.075	3.05	<5

*As Furnished by Client
The Results relate only to the items tested

KIRAN. R
M.E, (Civil-Engg)

AE-1

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
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EMAIL:newzen576@gmail.com

Date: 12-03-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS 383-1970 & M.o R.T H Specification, V Revision -2013.
1.	Water absorption, %	0.36 %	Not more than 2.0 %
2.	Liquid Limit, %	19.60	Not more than 25.0 %
3.	Plasticity Index, %	NP	Not more than 6.0 %
4.	Moisture Content, %	6.45	----------
5.	Aggregate Impact Value, %	26.40	Not more than 40.00 %

*As furnished by Client.
Note: The Results relate only to the items tested

AE-1

KIRAN. R
M.E, (Civil-Engg)

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Proprietor

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Newzen Consultants Bangalore.*

NC/QC/YD/W1/NG-03/2017-18/W1 Date: 21-03-2018

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Development and Improvements of roads and drains in Ward no-01 of Yelahanka Sub Division.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Lokesh. R.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	98.35	95-100
26.50	—	-
22.40	74.60	60-80
11.20	49.05	40-60
4.75	29.55	25-40
2.36	16.20	15-30
0.600	11.45	8-22
0.075	4.10	0-5

AE-1

*As Furnished by Client
The Results relate only to the items tested

K...R
KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore

NC/QC/YD/W1/NG-03/2017-18/W2

Date: 23-03-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Development and Improvements of roads and drains in Ward no-01 of Yelahanka Sub Division.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Lokesh. R.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	96.10	95-100
26.50	---	-
22.40	73.95	60-80
11.20	55.30	40-60
4.75	29.75	25-40
2.36	19.40	15-30
0.600	15.90	8-22
0.075	3.65	0-5

*As Furnished by Client

The Results relate only to the items tested

K.R

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore.* Newzen Consultants Bangalore.*

Date: 30-03-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS 383-1970 & M.o.R.T.H Specification, V Revision -2013
1.	Aggregate Impact Value	**27.80 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.65 %**	Not more than 35.0 %
3.	Water absorption, %	**0.36 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

KIRAN. R
M.E, (Civil-Engg)

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Date: 04-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.31 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.59 %**	Not more than 35.0 %
3.	Water absorption, %	**0.38 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

KIRAN. R
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For Newzen Consultants Bangalore

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NC/QC/YD/W1/NG-03/2017-18/DBM4 **Date: 10-04-2018**

1.TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for DBM mix sample.
{Project*: Development and Improvements of roads and drains in Ward no-01 of Yelahanka Sub Division.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Lokesh. R.

TEST RESULTS

A. Type of Construction : **Dense Graded Bituminous Macadam.**

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **4.52 %**

2. **Gradation Test**

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-10 of MORTH Specfications-2013 DBM (Grading - 2)
37.5	100	100
26.5	98.80	90-100
19.0	78.65	71-95
13.20	64.10	56-80
4.75	49.40	38-54
2.36	31.70	28-42
0.300	14.85	7-21
0.075	5.55	2-8

*As Furnished by Client.
The Results relate only to the items tested.

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M.E, (Civil-Engg)

For Newzen Consultants Bangalore
Proprietor

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NC/QC/YD/W1/NG-03/2017-18/BC4

Date: 16-04-2018

1.TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.
{Project*: Development and Improvements of roads and drains in Ward no-01 of Yelahanka Sub Division.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Lokesh. R.

TEST RESULTS

A. Type of Construction : **Bituminous Concrete**

1. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.41 %**

2. **Gradation Test**

TABLE 1.1

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-17 of MORTH Specfications-2013 BC (Grading - 2)
19.0	100	100
13.2	95.10	90-100
9.5	80.75	70-88
4.75	64.35	53-71
2.36	51.05	42-58
1.18	38.95	34-48
0.600	29.40	26-38
0.300	26.30	18-28
0.150	15.75	12-20
0.075	8.55	4-10

*As Furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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